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प्राधिकार से प्रकाशित
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सं० १] नई दिल्ली, शनिवार, जनवरी ६, १९७९ (पौष १६, १९००)

No. 1] NEW DELHI, SATURDAY, JANUARY 6, 1979 (PAUSA 16, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 6th January 1978

SPECIAL NOTICE

(1)

The following holidays will be observed by the Patent Office, Calcutta, during the year 1979.

Name of Festival (1)	Day of the week (2)	Date (3)
Netaji's Birthday	Tuesday	23rd January
Republic Day	Friday	26th January
Sree Panchami	Thursday	1st February
Doljatra	Tuesday	13th March
Mahavira Jayanti	Tuesday	10th April
Good Friday	Friday	13th April
Buddha Purnima	Saturday (2nd)	12th May
Independence Day	Wednesday	15th August
Id-ul-Fitr	Saturday	25th August
Durga Puja—		
Mahasaptami	Friday	28th September
Mahaastami	Saturday	29th September
Mahanavami	Sunday	30th September
Vijayadasami	Monday	1st October
Gandhiji's Birthday	Tuesday	2nd October
Kali Puja	Saturday	20th October
Id-uz-Zuha	Thursday	1st November
Guru Nanak's Birthday	Sunday	4th November
Muharram	Saturday	1st December
Christmas Day	Tuesday	25th December

(2)

The following holidays will be observed by the Patent Office Branch, Madras during the year 1979.

Name of Festival (1)	Day of the week (2)	Date (3)
Republic Day	Friday	26th January
Telugu New Year's Day (Ugadi)	Wednesday	28th March
Sri Rama Navami	Thursday	5th April
Mahavira Jayanthi	Tuesday	10th April
Good Friday	Friday	13th April
Buddha Purnima	Friday	11th May
Avani Avittam/Rakhi Bandhan	Wednesday	8th August
Janmashtami	Tuesday	14th August
Independence Day	Wednesday	15th August
Ramzan	Saturday	25th August
Ayudha Pooja	Monday	1st October
Mahatma Gandhi's Birthday	Tuesday	2nd October
Diwali	Friday	19th October
Id-ul-Zuha (Bakrid)	Friday	2nd November
Muharram	Saturday	1st December
Christmas Day	Tuesday	25th December

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

30th November, 1978

1285/Cal/78. R. Saikia. Assamese type writer key board (portable).

1286/Cal/78. The Prestige Group Limited. Pressure cookers. (December 1, 1977).

1287/Cal/78. S. N. Roberts and Minore Pty. Ltd. Spiral separators. (January 16, 1978).

1288/Cal/78. J. F. Werz Jr. Kg. Process and device for the production of a mat from non-flowable molding preparation for pressed articles. [Divisional date April 25, 1977].

1st December, 1978

1289/Cal/78. R. Hosoi. Drill having spiral cutting edges.

1290/Cal/78. Alok Sanyal. Improvements in or relating to the production of compost from waste materials.

1291/Cal/78. Phillips India Limited. Mirror for lighting luminaires.

2nd December, 1978

1292/Cal/78. Lucas Industries Limited. Electrical circuit with load continuity detector. (December 2, 1977).

1293/Cal/78. The Carborundum Company. Granular activated carbon manufacture from brown coal treated with dilute inorganic acid.

4th December, 1978

1294/Cal/78. Robert Bosch GMBH. Centrifugal governor, particularly for varying the instant of spark ignition or instant of fuel injection in internal combustion engines. (April 20, 1978).

1295/Cal/78. Mrs. Maya Bose. A flameproof double pole switch fuse unit with joint box.

5th December, 1978

1296/Cal/78. Elkem-Spigerverket A/S. Arrangement for gas-tight insertion of electrodes in covered electrical smelting furnaces.

1297/Cal/78. Boehringer Mannheim GMBH. 1-Aziridine-carboxylic acid ester derivatives. (December 7, 1977).

6th December, 1978

1298/Cal/78. Menk Apparatebau GMBH. Radiator for cooling the oil of oil-filled transformers.

1299/Cal/78. Burroughs Corporation. Improved flexible disk pack for end-wise partitioning and associated methods.

1300/Cal/78. Refratechnik GMBH. Phosphates glass of type (system) $Al_2O_3-SiO_2-P_2O_5$, method and composition used in its production, as well as use of glass and the composition.

1301/Cal/78. Elkem-Spigerverket A/S. Roof for covered electrical smelting furnaces.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

17th November, 1978

823/Del/78. H. R. Gupta. A double security lock.

824/Del/78. Halliburton Company. Treating subterranean well formations.

825/Del/78. Carrier Corporation. Regulator for a damper assembly.

826/Del/78. Carrier Corporation. Improved damper blade assembly.

20th November, 1978

827/Del/78. Union Carbide Corporation. Improved refined metallurgical silicon abstract of the disclosure.

828/Del/78. The General Electric Company Limited. Improvements in or relating to circuits for operating electric discharge lamps. (December 1, 1977).

829/Del/78. Union Carbide Corporation. Solar cells with low-cost substrates.

830/Del/78. Pfizer Inc. 4"-Deoxy-4"-acylamido derivatives of oleandomycin, erythromycin and erythromycin carbonate.

21st November, 1978

831/Del/78. Metallurgical Processes Limited and I. S. C. Smelting Limited. Improvements in or relating to the blast furnace melting of zinc. (December 12, 1977).

832/Del/78. A. T. Gellos. Pressure gauge.

833/Del/78. Mr. H. R. Gupta. A mechanically operated code combination lock.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

28th November, 1978

219/Mas/78. M. A. Zachariah. Maltars universal efficiency pump.

29th November, 1978

220/Mas/78. G. R. Narayana. Talometer electronic instrument for indicating rhythmic cycles in music.

30th November, 1978

221/Mas/78. Tirupattur Indira Bai. A domestic wet granular media filter.

222/Mas/78. D. S. Sarma. Touch timer alertor and safety device for diesel and electric locomotives.

223/Mas/78. Shri C. Varghese. Universal geometric analog computers, (also entitled "Geestats", with derivatives like purely manual "Geedrafters", electronic/automatic "Geocomp(uter)s", etc.

ALTERATION OF DATE

145856.

1413/Cal/77. Ante-dated to May 20, 1976.

145870.

499/Cal/77. Ante-dated to January 19, 1976.

145871.

500/Cal/77. Ante-dated to January 19, 1976.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 135. & 107B.
Int. Cl. F01b 29/00.

145841.

IMPROVEMENTS IN OR RELATING TO STIRLING CYCLE HEAT ENGINES.

Applicant : UNITED KINGDOM ATOMIC ENERGY AUTHORITY, OF 11 CHARLES 11 STREET, LONDON, S.W. 1, ENGLAND.

Inventor : COLIN DOUGLAS WEST.

Application No. 2205/Cal/75 filed November 19, 1975.

Convention date November 19, 1974(50113/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A stirling cycle heat engine comprising three or more sets of heat-absorbing and heat-rejecting chambers, working gas in the chambers and gas displacement means disposed between alternate heat-absorbing and heat-rejecting chambers, which displacement means is capable of oscillating to cause alternating variations in the gas volumes in the said heat-absorbing and heat-rejecting chambers between which the displacement means is disposed regenerator ducts interconnecting the sets of heat-absorbing and heat-rejecting chambers in series so that the heat-absorbing chamber of one of said sets is connected through a regenerator duct with the heat-rejecting chamber of the next set in the series, the parameters of the engine including the mass of the displacement means and elasticity of the gas being tuned for enabling the displacement means in each set of the heat-absorbing and heat-rejecting chambers to oscillate together at the required operating frequency of the engine and with relative phases such that, in each pair of heat-absorbing and heat-rejecting chambers interconnected through a regenerator duct, gas displacement is accompanied by a gas volumic change as required for operation as a Stirling cycle engine.

CLASS 172E. 145842.
Int. Cl. B65h 54/22.

MULTIPLE-UNIT SPOOLING MACHINE WITH YARN TRAVERSE MECHANISM.

Applicant : SCHWEITER ENGINEERING WORKS LIMITED, OF HORGEN, SWITZERLAND.

Inventor : RUDOLF LUZ.

Application No. 205/Cal/76 filed February 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

Multiple-head spooling machine having a plurality of spooling units located adjacent each other, each unit including

a wind-up spool carrier for locating a wind-up spool thereon; means to rotationally engage the wind-up spool to impart rotation thereto; a yarn traverse mechanism located in position to guide yarn in axially traversing movement across the spool;

a common drive shaft for the spooling machine;

a rotational power transmission means having portion located, respectively, in each of the yarn traverse mechanisms and on the common drive shaft to transfer rotational power from the drive shaft to the respective traverse mechanisms;

wherein at least a portion of each of the traverse mechanisms forms a single replaceable unit;

and the rotational power transmission means include a clutch to selectively control rotational power transmission from the common drive shaft to the respective yarn traverse mechanisms.

CLASS 55F & 83A, & 140B. 145843.
Int. Cl. C12d 13/06.

A PROCESS FOR THE SEPARATION OF N-PARAFINIC HYDROCARBONS OF CARBON RANGE C₁₂-C₂₀ PRESENT IN KEROSENE AND LIGHT DIESEL OIL FRACTIONS BY MICROBIAL MEANS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Investors : VENKAT RAO SISTA & GIRISH CHANDRA SRIVASTAVA.

Application No. 619/Cal/76 filed April 9, 1976.

Complete Specification Left. April 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim. No drawing.

A process for the separation of n-parafinic hydrocarbons of carbon range C₁₂-C₂₀ from kerosene and light diesel oil fraction by microbial means using micro-organism of yeast family particularly the species CANDIDA TROPICALIS which can grow on the said hydrocarbons, with the specific growth rate 0.38 hr⁻¹ at temperatures ranging between 30 to 38°C and pH between 2.5 to 5.5 with or without aseptic conditions for its growth wherein the process comprises growing said micro-organism in a medium comprising salts of sodium potassium, nitrogen magnesium, iron, some trace elements and sufficient quantity of kerosene and/or light diesel oil fraction at a temperature and pH mentioned above and recovering dewaxed oil obtained thereby by a conventional methods.

CLASS 107B.
Int. Cl. F01b 29/10.

145844.

IMPROVEMENTS IN OR RELATING TO STIRLING CYCLE ENGINES.

Applicant & Inventor : COLIN DOUGLAS WEST, OF AUGHTON, FARINGDON ROAD, EAST CHALLOW WANTAGE, OXFORDSHIRE, ENGLAND & JOHN CHRISTOPHER HOWARD GEISOW, OF 94 SPRING ROAD, ABINGDON, OXFORDSHIRE, ENGLAND.

Application No. 2002/Cal/76 filed November 4, 1976.

Convention date November 12, 1975(46797/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A Fluidyne heat engine having hot and cold variable volume chambers adapted for containing a working gas and intercommunicating through a regenerator, and a liquid system in which liquid is displaceable and arranged for varying the gas volume in each of the chambers, wherein a heat transfer cooling means is provided for cooling the gas flowing from the hot chamber, and the cooling means is arranged to be cooled by the liquid.

CLASS 55F.
Int. Cl. A61k 21/00.

145845.

PROCESS FOR PREPARING A STABLE ANTIBIOTIC COMPOSITION.

Applicant : PFIZER INC. OF 235 EAST 42ND STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Inventor : WILLIAM WELLESLEY ARMSTRONG.

Application No. 2209/Cal/76 filed December 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for preparing a stable antibiotic composition which comprises dissolving a tetracycline-type antibiotic, a pharmaceutically acceptable magnesium compound and, if desired, polyvinylpyrrolidone, in aqueous 2-pyrrolidone and

adjusting the pH if necessary to achieve solution, the said antibiotic being selected from oxytetracycline, doxycycline, tetracycline, and the pharmaceutically acceptable acid addition salts thereof.

CLASS 33C & F.
Int. Cl. B22c 9/00.

AN IMPROVED EXPANDABLE HEAT-RETAINING COMPOSITION FOR STEEL INGOT MAKING FOR USE IN HOT TOP OF THE MOLD.

Inventor : SHIGERU MATSUSHIMA.
1KENOHATA, TAITO-KU, TOKYO, JAPAN.

Inventor : SHIGERU MATSUSHIMA.

Application No. 2061/Cal/76 filed November 17, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

An improved expandable heat-retaining composition for use as a hot top of the mold in steel ingot making comprising a homogenous mixture containing at least 1 but not more than 30% by weight of at least one of vegetation body selected from the group consisting of rice, corn, wheat, kaoliang, soya bean, red bean, drained lees of sugarcane and peat moss, which have a heat expandability, at a temperature of 110°C., 20-15% by weight of exothermic composition selected from the group consisting of metallic aluminum, iron oxide and mixtures thereof and 38-77% by weight of adiabatic composition as herein defined.

CLASS 119-A.
Int. Cl. D03d 51/20.

IMPROVEMENT IN OR RELATING TO WARP STOP MOTION IN WEAVING LOOMS.

Applicant & Inventor : SHANTILAL LAVJIBHAI PATEL, OF 8, CAMAC STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

Application No. 2178/Cal/76 filed December 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A warp stop motion device, in and for a loom, characterised in that one of the holding strips of the heald frame is made of a plate of V-shaped construction and is provided with a groove in which is inserted a movable bar which is adapted to receive the heald when a warp passing through an eye hole of the heald frame breaks.

CLASS 32F.2.
Int. Cl. C07c 59/14.

METHOD OF PRODUCING SULFONATED ALKYLPHENOXY ALKANOIC ACIDS AND THEIR SALTS.

Applicant : DIAMOND SHAMROCK CORPORATION, OF 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, UNITED STATES OF AMERICA.

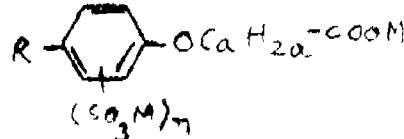
Inventor : JOHN GEORGE PAPALOS.

Application No. 139/Cal/77 filed January 31, 1977.

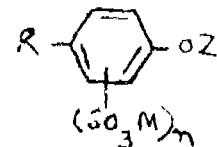
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A method of producing a compound having the formula 1.



which comprises reacting in a suitable reaction medium one mole of a sulfonated alkylphenol compound having the formula of figure II.



with one mole of a chloroalkanoic acid having the formula



wherein : R is an alkyl group having an average of 2-20 carbon atoms;

M is sodium or potassium;

n is a number of from 1 to 2;

a is a number of from 1 to 4; and

Z is hydrogen, sodium, or potassium;

with the proviso that when the reaction medium is anhydrous,

Z is sodium or potassium and at least one mole of anhydrous sodium or potassium hydroxide is added to the reaction medium and that when the reaction medium contains water, the chloroalkanoic acid has the chlorine substituted on the carbon atom alpha to the carboxyl group, Z is hydrogen, and the reaction medium is maintained at a pH of at least 8 by the addition of sodium or potassium hydroxide.

CLASS 172-E.
Int. Cl. B65h 54/00.

145849.

AN APPARATUS FOR STORING AND FEEDING YARN TO YARN USING MACHINES.

Applicant : SAVIO & C.S.P.A. OF CORSO BUENOS AIRES 79, MILAN, ITALY.

Inventors : ERMANNO SAVIO, (2) SERGIO CALAMANI & EUGENIO TURRI.

Application No. 384/Cal/77 filed March 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An apparatus for storing and feeding yarn to yarn using machines, comprising a base plate restrainable to a stationary structure, a shaft freely rotatably mounted on at least one rolling bearing carried by said base plate on one side and on the other side of which the two ends of said shaft project, a member for coupling said shaft to a motor and being rotably driven thereby, a hollow drum having a cylindrical outside surface and carried by one end of said shaft through at least one rolling bearing having its axis substantially coincident with that of the shaft a yarn dispensing arm positioned between said base plate and drum and integral with said shaft, and having a duct or channel passing therethrough, this duct or channel extending to and opening in the shaft and externally of the drum and at the adjoining cylindrical end of the drum, respectively, to distribute thereon the turns of yarn incoming through said duct or channel, a rocking body for transferring the yarn turns on the drum, this rocking body being restrained to said shaft, and members for preventing the drum from rotating on said shaft, in said apparatus said members for inhibiting the drum rotation comprising two rolling bearings with the axis thereof coincident with the parallel to but offset relative to the axis of said shaft extending through said bearings, of which one has a cage fixed to said base plate, and the other has a cage fixed to the opposing surface of said drum, a rigid connecting body for the movable cages of said bearings being mounted on said two bearings, this connecting body having a passage through which said yarn dispensing arm passes.

CLASS 154-D.
Int. Cl. G03g 12/22.

145850.

PROCESS FOR PRODUCING A PERFORATION-PATTERN METAL FOIL IN PRESSURE SCREEN PRINTING AND A PRESSURE-PRINTING SCREEN PRODUCED THEREBY.

Applicant: SCHABLONENTECHNIK KUFSTEIN GESELLSCHAFT M.B.H., OF A6330 KUFSTEIN, SCHAFNAU, AUSTRIA.

Inventor: SIEGFRIED RUCKL.

Application No. 475/Cal/77 filed March 29, 1977.

Convention date March 18, 1977 (11603/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for producing a perforation-pattern metal foil, preferably a stencil for screen-printing, which comprises the steps of:

applying a conventional photosensitive layer body to a metal substrate; exposing said photosensitive layer through a film containing dot pattern; developing the exposed photosensitive layer to remove photosensitive material around the dot of the exposed pattern;

swelling said bodies to a degree of ten times or more than the original thickness of said layer and galvanically depositing metal on said substrate between said bodies.

CLASS 32Fc & 40B.
Int. Cl. C07c 121/32.

145851.

PROCESS FOR PRODUCING ACRYLONITRILE.

Applicant: NITTO CHEMICAL INDUSTRY CO., LTD. OF NO. 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: YUTAKA SASAKI, (2) TOMIO NAKAMURA, (3) KIYOSHI MORIYA, (4) YOSHIMI NAKAMURA, (5) HIROSHI UTSUMI & SHIGERU SAITO.

Application No. 527/Cal/77 filed April 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A process for producing acrylonitrile by the vapor-phase catalytic ammonoxidation of propylene, which comprises

(1) reacting propylene, a molecular oxygen-containing gas and ammonia in the presence of a catalyst expressed by the following empirical formula



wherein Me is at least one element selected from the group consisting of V and W.

Q is at least one element selected from the group consisting of Cu, Mg, Zn and Ni, and the subscripts a, b, c, d, e, f, g, h, and i each represents atomic ratios such that when a=10; b=13 to 28; c=0.1 to 2.5; D=0.05 to 1; e=0.2 to 5; f=0 to 4 (in which case b=13 to 20), or f=2 to 6 (in which case b=20 to 28); g=0 to 3; h=the number of oxygens corresponding to the oxide formed by the combination of said components; and i=25 to 200;

in a fluidized bed catalytic reaction zone at a temperature of about 380 to about 500°C and a pressure of about 0.2 to about 3 kg/cm²-G while adjusting the propylene/oxygen/ammonia molar ratio to 1 : 1 : 0.8 to 1 : 4 : 3;

(II) said catalyst being prepared by

(1) intimately mixing starting materials for said Fe, Mo, Me, Te and Q components in a form soluble in water or nitric acid, a starting material for the Sb component, and silica sol which may or may not contain an Na component,

thereby to form a slurry containing these components and having a non-volatile solids content of about 10 to about 50% by weight;

(2) so that the composition of the final catalyst is within the range expressed by said empirical formula above;

(3) spray-drying the resulting slurry, and

(4) calcining the resulting spray-dried particles in one or more stages at temperatures ranging between 200-950° in order to form a catalyst.

CLASS 107B.

Int. Cl. F01b 29/10.

145852.

IMPROVEMENTS IN OR RELATING TO STIRLING CYCLE HEAT ENGINES.

Applicant & Inventors: COLIN DOUGLAS WEST, OF AUGHTON, FARINGDON ROAD, EAST CHALLOW, WANTAGE, OXFORDSHIRE, ENGLAND, JOHN CHRISTOPHER HOWARD GEISOW, OF 94 SPRING ROAD, ABINGDON, OXFORDSHIRE, ENGLAND, AND RAM BACHAN PANDEY, OF INDIAN NATIONALITY, OF 14 WEST DRIVE, ALDFIELD ESTATE, HARWELL, DIDEO, OXFORDSHIRE, ENGLAND.

Application No. 534/Cal/77 filed April 7, 1977.

Convention date April 12, 1976 (14911/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A Stirling cycle engine comprising hot and cold variable volume chambers intercommunicating through a regenerator and adapted to contain a working gas, a liquid system in which liquid in at least one of the chambers is displaceable for varying the gas volume in the chambers, and means to derive an output from the engine, wherein the hot and cold variable volume chambers are arranged one within the other and are thermally insulated from one another.

CLASS 107B.

Int. Cl. F01b 29/10.

145853.

IMPROVEMENTS IN OR RELATING TO STIRLING CYCLES ENGINES.

Applicant & Inventor: RAM BACHAN PANDEY, OF INDIAN NATIONALITY, OF 14 WEST DRIVE ALDFIELD ESTATE, HARWELL, DIDEO, OXFORDSHIRE, ENGLAND, & COLIN DOUGLAS WEST, OF AUGHTON, FARINGDON ROAD, EAST CHALLOW, WANTAGE, OXFORDSHIRE, ENGLAND.

Application No. 535/Cal/77 filed April 7, 1977.

Convention date April 12, 1976 (14911/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A Stirling cycle engine having hot and cold variable chambers intercommunicating through a regenerator and adapted to contain a working gas, a liquid system in which liquid in at least one of the chambers is displaceable for varying the gas volume in the chambers, and means to derive an output from displacement of the liquid, wherein the output means is resiliently biased so as to enable the engine to operate at a predetermined mean pressure of the working gas.

CLASS 6A.

Int. Cl. F25i 3/04.

145854.

A METHOD FOR PRODUCING OXYGEN OR NITROGEN HAVING PREDETERMINED PURITY AND AN APPARATUS FOR CARRYING OUT THE METHOD.

Applicant: KOBE STEEL, LTD., OF 3-18, 1-CHOME, WAKINOHAMA-CHO, FUKIAI-KU, KOBE-CITY, JAPAN.

Inventors: AKIYOSHI GOTOH, TAICHI KATSUKI, TAKAHARU GOTO, TAKUMI MIZOKAWA AND NORITOSHI SAKAI.

Application No. 564/Cal/77 filed April 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An apparatus for controlling the flow rate of material air to an air separation plant having a switchable heat exchanger and an expansion turbine comprising :

(a) means provided in the passage for said material air to said switchable heat exchanger for adjusting the flow rate of the material air through said passage,

(b) first means provided in said passage for said material air to said switchable heat exchanger for measuring the flow rate of said material air through said passage,

(c) second means provided in a passage of a gas to said expansion turbine for measuring the flow rate of said gas to said expansion turbine,

(d) third means provided in a passage of a product gas for measuring the flow rate of said product gas,

(e) operation means adapted to remember a predetermined relationship between the flow rate of said product gas and a ratio of a difference between said flow rate of said material air and said flow rate of gas to said expansion turbine to said flow rate of said product gas, and to determine an optimum flow rate of material air from the signals from said second and third means on the basis of said predetermined relationship, and

(f) means for controlling said adjusting means in accordance with said optimum flow rate of material air determined by said operation means.

CLASS 182B & C. 145855.
Int. Cl.-C13k 1300.

PROCESS FOR SEPARATING A MONOSACCHARIDE FROM AN OLIGOSACCHARIDE BY SELECTIVE ADSORPTION.

Applicant : UOP ING, AT TEN UOP PLAZA ALIGON-QUIN AND MT. PROSPECT ROADS, DES PLAINES ILLINOIS, U.S.A.

Inventors : RICHARD WILLIAM MEUZIL AND JAMES WILLIAM PRJEGNITZ.

Application No. 1167/Cal/77 filed July 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A process for separating a monosaccharide from a mixture comprising a monosaccharide and an oligosaccharide which process comprises contacting at adsorption conditions as herein defined said mixture with an adsorbent comprising a X or a Y zeolite thereby selectively adsorbing said monosaccharide and thereafter recovering said monosaccharide.

CLASS 34D. 145856.
Int. Cl.-C08b 5/02, 21/12.

THE METHOD FOR MANUFACTURING OF BLASTING SOLUBLE NITROCELLULOSE.

Applicant : DIRECTOR GENERAL, ORDNANCE FACTORIES, GOVERNMENT OF INDIA, MINISTRY OF DEFENCE, 44 PARK STREET, CALCUTTA-16, WEST BENGAL, INDIA.

Inventors : OM PRAKASH GUPTA, PAZHAYANNUR KAILASH VAIDYANATHAN, NARAHARI RANGANATH APTE AND RAMSARUP SHARMA.

Application No. 1413/Cal/77 filed September 17, 1977.

Division of Application No. 876/Cal/76 filed May 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for the manufacture of blasting soluble nitrocellulose from bleached cotton linters comprising the steps of nitration with a suitable mixed acid composition such as

herein described followed by stabilisation of the product in acidified medium, pulping in an alkaline medium before blending with chalk.

CLASS 32F,b & 55E. 145857.
Int. Cl.-C01d 35/24.

A PROCESS FOR THE ISOLATION OF LIRIODENINE, A 7-OXO APORPHINE FROM THE HEARTWOOD OF *AQUILARIA AGALLOCHA* (FAMILY : THYMELAEAE).

Applicant : THE DIRECTOR, CENTRAL COUNCIL FOR RESEARCH IN INDIAN MEDICINE AND HOMOEOPATHY, E-25, DEFENCE COLONY, NEW DELHI-110024, INDIA.

Inventors : DR. KOZHIPARAMBIL KUNHUNNY PURUSHOTHAMAN, DR. RAMACHANDRAN KALYANA-SUNDARAM NATARAJAN AND MEENAKSHI NATARAJAN CAPTAIN SRINIVASA MURTHI.

Application No. 93/Del/77 filed May 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim.

A process for the isolation of Liriodenine, a 7-oxo aporphine alkaloid of structure shown in the accompanying drawing, from the heartwood of *Aquilaria agallocha* (Family: Thymelaeaceae) which comprises of shade drying and coarse powdering of the said heartwood, soaking the said powder in chloroform in an aspirator bottle at room temperature, decanting the said chloroform extract and evaporating the same *in vacuo* to remove most of the chloroform, subjecting the residue so obtained to chromatographic purification over a column of alumina, eluting Liriodenine with chloroform and chloroform-methanol (9 : 1) mixture, combining the said eluates, concentrating to yield yellow needles, purifying by recrystallisation from chloroform.

CLASS 32F,d & 55E. 145858.
Int. Cl.-C07c 49/66.

A PROCESS FOR THE ISOLATION OF 2-HYDROXY-3-(3-METHYL-2-BUTENYL)-1, 4-NAPHTHAQUINONE, KNOWN AS LAPACHOL FROM THE ROOT OF *STEREOSPERMUM TETRAGONUM DC.* (FAM : BIGNONIACEAE).

Applicant : THE DIRECTOR, CENTRAL COUNCIL FOR RESEARCH IN INDIAN MEDICINE AND HOMOEOPATHY, E-25, DEFENCE COLONY, NEW DELHI-110024, INDIA.

Inventors : DR. KOZHIPARAMBIL KUNHUNNY PURUSHOTHAMAN AND DR. RAMACHANDRAN KALYANA-SUNDARAM NATARAJAN.

Application No. 94/Del/77 filed May 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim.

A process for the isolation of lapachol, 2-hydroxy-3-(3-methyl-2-butetyl)-1, 4-naphthaquinone from the root of *Stereospermum tetragonum DC.* (Family : Bignoniaceae) which comprises of shade drying and coarse powdering of the said root, extracting the said powder with hot hexane in a soxhlet apparatus, decanting the said hexane extract and distilling the same to remove most of the hexane, the last traces *in vacuo*, subjecting the residue so obtained to chromatographic purification over silica gel, eluting lapachol with benzene-hexane (1 : 1) mixture, combining the said eluates, concentrating to yield yellow needles, purifying by recrystallisation from ether.

CLASS 6B, & 99E. 145859.
Int. Cl.-F16i 11/06.

PRESSURE VESSELS.

Applicant : GREER HYDRAULICS, INC., OF 5130 W. JEFFERSON BLVD., LOS ANGELES, CALIFORNIA-10016, UNITED STATES OF AMERICA.

Inventor : OTMAR PETER SCHON.

Application No. 1806/Cal/75 filed September 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A pressure vessel comprising an elongated rigid hollow housing, the interior wall surface of which has a cylindrical central portion and two rounded end portions, said housing having an axial bore at one end defining a port extending into the interior thereof through one of said end portions, the other end of the housing having an enlarged diameter axial bore, the outer end of said bore defining the mouth of the housing, an elongated support member having a central cylindrical portion and two substantially hemispherical end portions, means to retain said support member in fixed position in said housing extending axially thereof, one of said end portions being longitudinally spaced from said port, a deformable bladder in said housing extending axially thereof, said bladder being closed at one end and encompassing said support member and having a mouth at its other end, means to retain the mouth end of the bladder in fixed position and means for supplying fluid under pressure to the interior of said bladder, said bladder being movable between an outward expanded condition in which it engages the wall surface of the interior of said housing and an inward deformed condition in which at least a portion of the bladder engages said support member, the dimensions and configuration of the bladder, of the interior of said housing and of the support member being such that the bladder will move from its outward to its inward condition without the formation of sharp folds therein.

CLASS 48D. 145860.
Int. Cl. F16g 1120.

A WATERPROOF CABLE SPLICE ENCLOSURE.

Applicant : PREFORMED LINE PRODUCTS COMPANY, 660 BETA DRIVE, CLEVELAND, OHIO 44143, UNITED STATES OF AMERICA.

Inventor : BERT AXFORD SMITH.

Application No. 2223/Cal/75 filed November 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An enclosure for protecting a splice between a plurality of cables comprising : a cap having apertures therein for receiving and passing ends of said cables; said ends being adapted to be spliced together; sleeve means forming a protective enclosure about said cable ends after said cable ends have been passed through said apertures and said ends spliced together; and a vial having a body of sealant material positioned therein, said vial having one open end for receiving said sleeve means, said vial adapted to mate with said cap for closure.

CLASS 195-C. 145861.
Int. cl. F16k 31/14.

IMPROVED WATER TAPS.

Applicant & Inventor : GOPAL ADVANI, 84, THEATRE ROAD, CALCUTTA-700017, WEST BENGAL, INDIA.

Application No. 371/Cal/76 filed March 1, 1976.

Complete specification left on March 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An improved tap of the kind described comprising a main housing member having an inlet chamber and an outlet chamber, said inlet chamber being provided with an inlet port at one end thereof and adapted to receive valve means for controlling the flow of water therethrough, said outlet chamber being connected to said inlet chamber by an intermediate port at the end of said inlet chamber substantially

opposite to said inlet port, said outlet chamber being provided with an outlet port for permitting the flow of water therethrough.

CLASS 69A & E.
Int. Cl. H01r 39/60.

APPARATUS FOR INTERRUPTING FAULT CURRENTS IN AN ELECTRICAL SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : ALAN BURKE SHIMP.

Application No. 640/Cal/76 filed April 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Apparatus for interrupting fault currents in an electrical system, comprising circuit interrupting means including a current-actuated trip device, first sensing means for sensing electrical current flowing in said system and having an output for providing an output current related to the value of current sensed, said first sensing means being interconnected with said current-actuated trip device for supplying actuating current thereto upon the actuation thereof, and switch means connected in series relationship with said current-actuated trip device for controlling the flow of actuating current therethrough, second sensing means for sensing ground fault current flowing in said system and having an output for providing an output current related to the value of ground fault current sensed, said second sensing means being connected to said current-actuated trip device, and first and second control means connected to the output of said first and second sensing means respectively and the outputs from the control means to said switch means such as to cause the said switch means to permit actuating current to flow through the trip device when the current sensed by said first sensing means attains first predetermined value, and to permit actuating current to flow through said trip device when ground fault current sensed by said second sensing means attains a second predetermined value, said first control means including means for reducing the output current flowing through said first control means of said first sensing means such that the output current from said first control means is redirected to the trip device during the actuation thereof.

CLASS 65B. 145863.
Int. Cl. H01f 40/04.

CAPACITIVE VOLTAGE TRANSFORMER WITH IMPROVED COMPENSATING REACTOR ARRANGEMENT.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : ANDREW STANLEY SWEETANA, JR., GERALD BENNETT BOYETTE & FREDERICK JOSEPH BROWN.

Application No. 1800/Cal/76 filed September 29, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A capacitive voltage transformer comprising a plurality of coupling capacitors connected in series between a pair of terminals for connection respectively to a line carrying alternating potential and to a ground point, said capacitors including a last group of capacitor elements adjacent said ground point, a tap down induction transformer with a primary winding connected across and last group of capacitor elements and a secondary winding to connect across a voltage responsive device, a compensating reactor including a magnetic core with an inductive winding connected in series with said primary winding, said compensating reactor providing inductive reactance cancelling capacitive reactance of said capacitors, a voltage surge suppressor connected across inductive winding of said compensating reactor and in series with said primary winding, said suppressor comprising

ing a ceramic oxide varistor characterized by an abrupt change from high to low resistance upon a predetermined voltage being impressed thereacross that corresponds to a rated thermal burden or other burdens of the capacitive voltage transformer.

CLASS 146-C.
Int. Cl. G12b 1/00.

145864.

A DEVICE.

Applicant & Inventor : ARUN KUMAR GAUR, OF D-22 OLD RAJNAGAR, SECTOR-7, GHAZIABAD U.P. INDIA.

Application No. 1093/Cal/76 filed June 21, 1976.

Complete Specification Left. March 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

An apparatus for determining the Young's modulus of a metal or a plurality of metals by a single test comprising first and second reference members provided in a space relationship to each other and supported from a horizontal support by reference metallic wires, at least three other test members supported by test wires between said first and second members and from a support having the same horizontal axis, each of said members comprising a frame a reference weight adapted to be held to said reference frame said test frames held to one end of the test wires, adjusting means provided with at least said test members for adjusting the length of said test wires a mirror extending from said first reference member to said second reference member, said mirror being held to said first reference member, means provided with said second reference member for rendering said mirror in a horizontal plane, said test frames capable of supporting a weight, and a pachrometer provided with each of said test members.

CLASS 27-I: & 152E & 155. 145865.
Int. Cl. D06m 13/00; E04d 5/00; B29c 13/00.

A WATERPROOF COVERING AND PROCESS FOR MANUFACTURING THE SAME.

Applicant & Inventor : JEAN-YVES K-GALL (KNOWN AS JEAN-YVES KERGALL) OF 26, RUE DE L'EGLISE 92200 NEUILLY-SUR-SEINE, FRANCE.

Application No. 2244/Cal/76 filed December 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims. No drawings.

A waterproof covering, for example for realizing waterproofing of a support such as a terrace, a front wall, a foundation wall, a tank or the like, including a first thin continuous pellicle adhering to the support, a textile layer on said first pellicle having a portion of its thickness impregnated by the material constituting said first pellicle and another portion of its thickness non-impregnated thereby, and on the face of said textile layer opposite to the face coming in contact with said first pellicle, a second continuous pellicle impregnated into said textile layer a distance sufficiently thin to leave a portion of the thickness of the textile layer non-impregnated by both the material constituting said first pellicle and the material constituting said second pellicle, said second pellicle being watertight.

CLASS 32E & 39G & 40B. 145866.
Int. Cl. C08f 1/28; 1/56; 3/02; C01g 23/02;

31/00; B01i 11/00.

METHOD FOR THE PREPARATION OF A CATALYST CONTAINING TITANIUM OR VANADIUM TRICHLORIDES.

Applicant : SNAMPROGETTI S.P.A. OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : MARGHERITA CORBELLINI, & ALBERTO GRECO.

Application No. 133/Cal/77 filed January 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A method for the preparation of a catalyst containing titanium trichloride or vanadium trichloride and adapted for use in the polymerization and copolymerization of ethylene with higher alpha olefins, which is characterized by comprising the steps of vaporizing another metal such as herein defined under vacuum and reacting the vapours thus obtained with $TiCl_4$ or VCl_4 at a temperature in the range between $-80^{\circ}C$ (minus 80 degrees Celsius) and $+20^{\circ}C$.

CLASS 62-D. & 172B. 145867.
Int. Cl. D01g 37/00; D01c 1/02.

A NEW COMPOSITION AND PROCESS FOR SOFTENING AND LUBRICATION OF JUTE FIBERS.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-700053, WEST BENGAL, INDIA.

Inventors : DR. ASHIMANANDA RAY, (2) DR. ASHOK YESHWANT KULKARNI, (3) MR. PARTHASARATHI BHATTACHARJEE & MR. UTPAL KUMAR GHOSH.

Application No. 175/Cal/77 filed February 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A composition for softening and lubricating of jute fibres comprising an admixture of glycerides of fatty acids containing 12 to 18 C-Atoms, and a substance selected from the group consisting of soap, which may be denatured of same or different glycerides of fatty acids and an anionic softener.

CLASS 32C & 40F & 55E. 145868.
Int. Cl. C07g 7/026; A23j 1/06; B01d 37/00.

A PROCESS FOR ISOLATING OF PURE ALBUMIN FROM HUMAN BLOOD PLASMA.

Applicant : PLASMESCO AG. OF HANIBUHL 8, CH 6300 ZUG, SWITZERLAND.

Inventors : DR. WALDEMAR SCHNEIDER, & DR. DEITRICH WOLTER, & CHRISTIAN FROHLICH.

Application No. 395/Cal/77 filed March 17, 1977.

Addition to No. 691/Cal/75.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for isolating of pure albumin from human blood plasma, from which the coagulating factors have been removed, by a heat treatment at a temperature in the range of $60-75^{\circ}C$ in presence of albumin stabilizer much as herein described, and in presence of lower aliphatic alcohols at a pH in the range of 4, 5 to 7.5 after the heat treatment cooling the mixture to $10-40^{\circ}C$ and adjusting the pH to 4, 4 when a precipitate will be formed, said precipitate and the solution is mixed with a Kieselguhr filtering aid and making a suspension of from 4-6% of albumin and other plasmatic proteins with 30-70 grams of Kieselguhr filtering aid per liter solution, characterized by filtering said suspension through alluvial filter elements with a mesh size of from 70 to 90 microns, thereby gaining a clear albumin-solution as a filtered product which is further diafiltered (filtered through a dialysis membrane) and separating the albumin with the aid of known precipitators from said clear solution.

CLASS 32E & 62-C.
Int. Cl. C08g 45/14.

145869.

PROCESS FOR THE PREPARATION OF DYED POLY-ESTERS.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.*Inventors*: HANS GATTNER, (2) ERNST SPIETS-CHKA, (3) HELMUT TROSTER.

Application No. 419/Cal/77 filed March 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

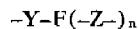
10 Claims.

A process for the preparation of a polyester consisting essentially of recurring units of

(a) a benzene dicarboxylic acid being terephthalic or isophthalic acid or both,

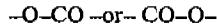
(b) 0.75 to 1.5 mol per mol of said dicarboxylic acid of a 1, 1, 1-trimethylol alkene having 1 to 4 carbon atoms in the alkene moiety and

(c) 0.1 to 25% by weight of units of the formula



in which F represents equal or different radicals of a thermostable organic dyestuff of the azo, anthraquinone, benzanthrone, quinophthalone, methine, acridine, perinone, cumarine, xanthene, oxazine, perylene, benzoxanthene or benzothioxanthene series,

Y and Z, which are equal or different, are ester groups of the formula

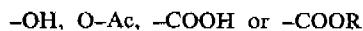


and n is zero, 1 or 2,

which comprises or condensing by heating to 180 to 250°C, 0.1 to 25% by weight dyestuff or a mixture of dyestuffs of the formula



wherein F has the above meaning, m is integer of from 1 to 3 G stands for equal or different ester forming groups of the formula



wherein Ac is alkanoyl of 1 to 6 carbon atoms or benzoyl and R is alkyl of 1 to 6 carbon atoms or hydroxyalkyl of 2 to 6 carbon atoms, before, during or after the synthesis of a polyester consisting essentially of the recurring units (a) and (b) as defined above, thereby forming a dyed polyester containing said dyestuff radicals linked to the polymer by ester groups.

CLASS 32Fb.
Int. Cl. C07d 99/24.

145870.

A PROCESS FOR PRODUCING CEPHALOSPORINS.

Applicant: TOYAMA CHEMICALS CO. LTD., OF 1-18, KAYABACHE, NIHONBASHI, CHUO-KU, TOKYO, JAPAN.*Inventors*: ISAMU SAIKAWA, (2) SHUNTARO TAKANO, (3) CHOSAKU YOSHIDA, (4) OKUTA TAKASHIMA, (5) KAISHU MOMONOI, (6) SEIETSU KURODA, (7) MIWAKO KOMATSU, (8) TAKASHI YASUDA, & YUTAKA KODAMA.

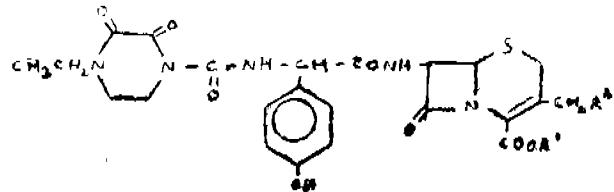
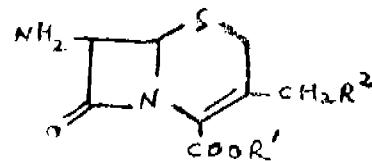
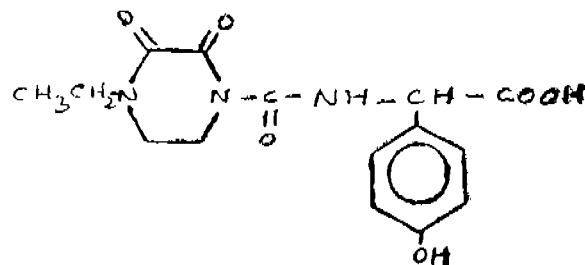
Application No. 499/Cal/77 filed April 1, 1977.

Division of Application No. 101/Cal/76 filed January 19, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A process for preparing compound of the general formula 1.

wherein R¹ represents a hydrogen atom, a salt-forming cation, or a blocking group as herein before defined and R² represents an acetoxy, carbamoyloxy, 2-(5-methyl-1, 3, 4-thiadiazolyl)-thio, or 5-(1-methyl-1, 2, 3, 4-tetrazolyl)-thio group and non-toxic salts thereof which comprises reacting a compound of the general formula II.wherein R¹ and R² are the same as defined above; with a compound of the general formula III.

or with a reactive derivative as herein before defined in the carboxyl group of the compound of formula (III) and if desired obtaining the non-toxic salts as herein described by conventional methods.

CLASS 32Fb.
Int. Cl. C07d 99/24.

145871.

A PROCESS FOR PRODUCING CEPHALOSPORINS.

Applicant: TOYAMA CHEMICALS CO. LTD., OF 1-18, KAYABACHE, NIHONBASHI, NIHONBASHI, CHU-KU, TOKYO, JAPAN.*Inventors*: ISAMU SAIKAWA, (2) SHUNTARO TAKANO, (3) CHOSAKU YOSHIDA, (4) OKUTA TAKASHIMA, (5) KAISHU MOMONOI, (6) SEIETSU KURODA, (7) MIWAKO KOMATSU, (8) TAKASHI YASUDA, & YUTAKA KODAMA.

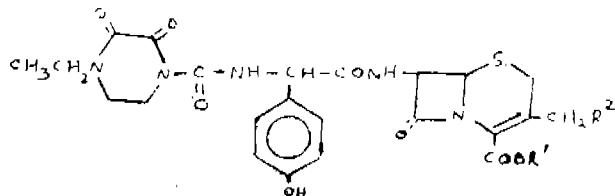
Application No. 500/Cal/77 filed April 1, 1977.

Division of Application No. 101/Cal/76 filed January 19, 1976.

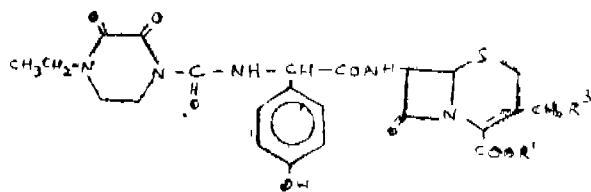
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for producing compound of the general formula 1.



wherein R^1 represents a hydrogen atom, a salt-forming cation, or a blocking group as hereinbefore defined and R^2 represents a 2-(5-methyl-1, 3, 4-thiadiazolyl)-thio, or 5-(1-methyl-1, 2, 3, 4-tetrazolyl)-thio group and non-toxic salts thereof which comprises reacting a compound of the general formula II.



wherein R^1 is the same as defined above; and R^3 represents a substituent capable of being easily replaced by a nucleophilic reagent, with a compound of the general formula III.

R²M

wherein R^2 is the same as defined above; and M represents a hydrogen atom, an alkali metal or an alkaline earth metal, and if desired obtaining the non-toxic salts as herein described by conventional methods.

CLASS 32F.b.
Int. Cl. C07c 7/42; 87/00.

145872.

PROCESS FOR PREPARING BASICALLY SUBSTITUTED XANTHINE DERIVATIVES.

Applicant: DEUTSCHE GOLD-AND SILBER-SCHEIDANSTALT VORMALS ROESSLER, OF 9, WEISSFRAUENSTRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

Inventors: DR. HERIBERT OFFERMANNS, (2) DR. KARL HEINZ LKINGLER, (3) DR. KLAUS THIEMER, (4) DR. FRITZ STROMAN.

Application No. 550/Cal/77 filed April 12, 1977.

Convention date April 15, 1976(15 547/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for producing a compound of general formula 1.

T-AIK-NH-CH₂-CH(OH)-CH₂-O-Ar.

in which T represents a theophyllinyl-(7) or theobrominyl-(1) radical, Alk is a linear or branched alkylene group with 2 to 5 carbon atoms which may also be substituted by a hydroxy group and Ar represents an aromatic monocyclic or condensed bicyclic, carbocyclic or heterocyclic radical optionally substituted by one or more alkyl groups with 1 to 6 carbon atoms, alkenyl groups with 2 to 6 carbon atoms, alkinyl groups with 2 to 6 carbon atoms, hydroxy groups, acyloxy groups with 1 to 6 carbon atoms, alkoxy groups with 1 to 6 carbon atoms, alkenoxy groups with 2 to 6 carbon atoms, phenyl radicals, halogen atoms, amino groups, acyl groups with 2 to 6 carbon atoms, aminocarbonyl groups, udeido groups, acyl amino groups with 1 to 6 carbon atoms, cycloalkyl groups with 3 to 8 carbon atoms

or by one or more cycloalkenyl groups with 4 to 8 carbon atoms, the heterocyclic radical consisting of individual rings with 5 or 6 members and containing from 1 to 4 heteroatoms, and their acid or alkaline salts, or esters which comprises reacting a compound corresponding to the formula II.

T-AIK-Z

with a compound corresponding to the formula III.

X-CH₂-CH(OH)-CH₂-O-Ar.

in which T, Alk and Ar are as defined before whilst Z and X are different from one another and one represents an amino group or a conventionally protected amino group and the other represents a hydroxy group which is esterified by a strong organic or inorganic acid or which, in non-esterified form, may also form an ethylene oxide ring in conjunction with an adjacent, second hydroxy group, and splitting off a known manner any protective group present in the compound thus obtained, the salts or esters being prepared in a manner known per se.

CLASS 108B.
Int. Cl. C21b 13/08.

145873.

DIRECT-REDUCTION PROCESS OF IRON OXIDE CONTAINING MATERIALS CARRIED OUT IN A ROTARY KILN.

Applicant: METALLGESELLSCHAFT A.G. OF 16 FRANKFURT A.M. REUTERWEG 14, WEST GERMANY.

Inventors: DR. GERHARD REUTER, (2) WOLFRAM SCHNABEL & DR. HARRY SERBENT.

Application No. 1225/Cal/77 filed August 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

Process of directly reducing iron oxide containing materials to produce sponge iron in a rotary kiln by means of solid carbonaceous reducing agents such as herein defined having a high content of volatile combustible constituents, wherein oxygen-containing gases are injected at a controlled rate through shell pipes into the free kiln space and the charge is moved through the rotary kiln countercurrently to the flow of the kiln atmosphere, characterized in that oxygen containing gases are injected at controlled rates through nozzle blocks which extend through the kiln wall into the charge disposed over said nozzle blocks in the region of the heating-up zone which begins at the point where ignitable particles of the solid reducing agents first appear in the lower part of the surface of the rolling bed and terminates before the reducing zone and oxygen-containing gases are injected at controlled rates through shell pipes into the free kiln space of the heating-up zone.

OPPOSITION PROCEEDINGS

(1)

Application for Patent No. 137566 made by Vaman Narayan Lokur on which an opposition has been entered by Dy. Director Standards, (Wagon), Research Designs and Standards Organisation filing of which has been notified in the Gazette of India, Part III, Section 2 dated the 21st February, 1976, has been treated as abandoned.

(2)

Application for Patent No. 138811 made by USS Engineers And Consultants, Inc., Opposition to the grant of a Patent on which was entered by The Tata Iron & Steel Co. Ltd. and notified in Part III, Section 2 of The Gazette of India dated the 9th October 1976, has been treated as abandoned.

CORRECTION OF CLERICAL ERRORS UNDER
SECTION 78(3)

(1)

The title of the invention in the application and specification as well as opening description of the specification of patent application No. 143081 (earlier numbered as 18/Bom/75) the complete specification in respect of which was notified in Part III, Section 2 of the Gazette of India dated the 1st October, 1977 has been corrected to read as "Improved sealed lead acid storage battery" under Section 78(3) of the Patents Act, 1970.

(2)

The title of the invention in the application, specification and also the opening description of the specification in respect of patent application No. 143133 (earlier numbered as 396/Cal/76) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 8th October, 1977 has been corrected to read as "Stack of disc-form rectifier elements and its use in a converter" under Section 78(3) of the Patents Act, 1970.

(3)

The title of the invention in the application, specification and also the opening description of the specification in respect of patent application No. 143166 (earlier numbered as 1440/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th October, 1977 has been corrected to read as "Control system for the uniform distribution of fluid in a hose or tube and a hose equipped therewith" under Section 78(3) of the Patents Act, 1970.

(4)

The title of the invention in the application and specification as well as the opening description of the specification of the patent application No. 143209 (earlier numbered as 2841/Cal/74) the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th October, 1977 has been corrected to read as "A process for manufacturing a fiber-reinforced extrudate and a fiber-reinforced hose obtained therefrom under Section 78(3) of the Patents Act, 1970.

5)

The title of the invention in the application and specification as well as the opening description of the specification in respect of patent application No. 143243 (earlier numbered as 1429/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 22nd October, 1977 has been corrected to read as "Method of producing silicon-iron sheet material" under section 78(3) of the Patents Act, 1970.

(6)

The title of the invention in the application and specification as well as the opening description of the specification of patent application No. 143264 (earlier numbered as 1942/Cal/74), the complete specification of which was notified in Part III, Section 2 of the Gazette India dated the 22nd October, 1977 has been corrected to read as "A method of making a lead-acid storage battery, a method of treating the plates used in such a battery and the lead-acid storage battery produced therefrom" under Section 78(3) of the Patents Act, 1970.

(7)

The title of the invention in the application and specification and as well as the opening description of the specification in respect of patent application No. 143344 (earlier numbered as 2249/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 5th November, 1977 has been corrected to read as "A Process for the partial prevention of yellowing of bleached jute products and bleached and dyed jute products treated by such process" under Section 78(3) of the Patents Act, 1970.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)	115204
(2)	113745
(3)	117768
(4)	114821
(5)	116366
(6)	115300, 119794
(7)	117072, 117262
(8)	134743
(9)	137455
(10)	109903
(11)	137029
(12)	112127
(13)	137218
(14)	133686
(15)	103407.

PATENTS SEALED

139555 141502 141547 141605 141656 141658 141676 141678
142426 142469 142626 143128 143137 143138 143155 143159
143437 143774 144062.

AMENDMENT PROCEEDINGS UNDER SECTION 57.

Notice is hereby given that Patentees Talgo, S.A. a joint stock company organised and existing under the laws of Spain, of Montalbon No. 14, Madrid—14, Spain, have made an application under Section 57 of the Patents Act, 1970 for amendment of the drawings of their application for patent No. 1445522 for "Pendular suspension system". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours of copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

91024 91209 91348 91620 91918 96787 96810 96834 96855
 96945 97326 97587 99806 102421 102819 102858 102881
 102896 102942 102978 103044 103099 103103 103123 103193
 103226 103534 103733 103735 103736 104395 107709 107805
 108211 108311 108444 108595 110280 113208 113426 113433
 113434 113482 113543 113565 113665 113807 113808 113846
 113855 115115 115116 117475 117788 117789 118436 118513
 118846 118867 118870 118935 118953 119006 119022 119028
 119054 119074 119105 119106 119134 120563 122843 123056
 123414 124245 124269 124270 124349 124373 124432 124454
 124458 124494 124495 124545 124561 124585 124961 125075
 125309 126117 126176 127654 129114 129172 129476 129478
 129488 129500 129515 129529 129579 129583 129607 129640
 129644 129652 129674 129769 129782 129870 130017 130090
 133434 133562 133852 133862 133884 133887 133888 133901
 133944 134003 134022 134056 134070 134078 134099 134206
 134297 134444 134508 136012 136375 136398 136516 136639
 136998 137130 137132 137243 137294 137439 137479 137937
 137950 138034 138073 138167 138460 138462 138587 138851
 139172 139192 139346 139418 139586 139600 139790 139812
 140019 140203 140210 140227 140263 140303 140473 140746
 140758 140774 140857 140955 140978 141000 141041 141246
 141527 141824 141856 141975 142015 142213 142219 142260
 142405 142617 142670 142768 143014 143127 143149 143174
 143177 143193 143197 143212 143218 143225 143240 143275
 143291 143305 143338 143339 143340 143342 143343 143357
 143376 143382 143391 143400 143402 143425 143462 143477
 143601 143627.

CESSATION OF PATENTS

118740 118748 118749 118754 118774 118798 118799 118807
 118813 118821 118826 118836 118856 118864 118881 118883
 118885 118888 118906 118909 118927 118930 118934 118960
 118968 118987 119002 119005 119009 119029 119047 119071
 119072 119081 119082 119102 119111 119112 119119 119126
 119128 119147 119149 119158 119160 119162 119178 119212
 119215 119216 119244 119249 119250 119251 119253 119790
 121051 124345 134760.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145705. Jagson Plastics, 248 Kamla Market, New Delhi, an Indian partnership concern. Desk Calendar with Pen Stand. June 21st, 1977.

Class 1. No. 145706. Jagson Plastics, 248 Kamla Market, New Delhi, an Indian Partnership concern. A Calendar. June 21st, 1977.

CANCELLATION OF THE REGISTRATION OF DESIGNS

(SECTION-51A)

(1)

Application made by Hema Bhargava & Company for cancellation of the registration of Design No. 142968 in Class 1 in the name of Vasant Sakaram Dighe, notified in Part III, Section 2 of The Gazette of India dated the 12th June 1976, has been dismissed.

(2)

The application made by Dharampal Brothers Private Limited for cancellation of the registration of Design No. 145186 in the name of Smt. Kamlaavati V. Mehra and Subhash V. Mehra trading as Subhash Knitting Industries which was notified in the Gazette of India, Part-III, Section 2 dated the 29th October, 1977 has been treated as withdrawn.

S. VEDARAMAN
 Controller-General of Patents, Designs
 and Trade Marks.